PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 047.00062 (RFT-118)	FOR FURTHER ACTION		orm PCT/ISA/220 re applicable, item 5 below.			
International application No. PCT/US04/33089	International filing date (day/m 07 October 2004 (07.10.2004)	ionth/year)	(Earliest) Priority Date (day/month/year) 13 November 2003 (13.11.2003)			
Applicant NDSU RESEARCH FOUNDATION						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of						
It is also accompanied	by a copy of each prior art do	cument cited i	n this report.			
language in which it was filed, ur The international	iless otherwise indicated under t	his item.	is of the international application in the			
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.						
2. Certain claims were found unsearchable (See Box No. II)						
 Unity of invention is lacking (See Box No. III) With regard to the title, 						
the text is approved as submi	tted by the applicant.					
the text has been established by this Authority to read as follows:						
5. With regard to the abstract,						
the text is approved as submit	tted by the applicant.					
the text has been established, may, within one month from	according to Rule 38.2(b), by the date of mailing of this internal	his Authority a national search	s it appears in Box No. IV. The applicant report, submit comments to this Authority.			
 With regard to the drawings, a. the figure of the drawings to be p 		ure No				
as suggested by the a	pplicant.					
	uthority, because the applicant fa		_			
K 21	uthority, because this figure bett	er characterize	s the invention.			
b. In none of the figures is to be published with the abstract.						

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/33089

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B05D 1/36; C08F 283/00 US CL : 427/202; 525/528 According to International Patent Classification (IPC) or to both national classification and IPC						
	DS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: Please See Continuation Sheet						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic da EAST	ta base consulted during the international search (name	e of data base and, v	vhere practicable, sear	rch terms used)		
C. DOCU	UMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where a			Relevant to claim No.		
X	US 2,933,400 A (WURBS et al) 19 April 1960 (19.04.1960), entire document.			1-8, 17, 33, 34		
Y			•	9-16, 32		
x	US 4,083,726 A (PARSON et al) 11 April 1978 (11.04.1978), entire document.		1-17, 33, 34			
Y				32		
x	JP 56-102584 A (SHOWA NETSUGAKU KOGYO KK) 17 August 1981 (17.08.1981),		1 (17.08.1981),	1-8, 17, 33, 34		
Y	English-language abstract.			9-16, 32		
x	US 4,360,384 A (MCKAVENEY et al) 23 November 1982 (23.11.1982), entire document.		1-8, 17, 30-31, 33, 34			
Y	·			9-16 32		
Y	US 6,632,294 B2 (MANSFIELD et al) 14 October 2 column 4, line 20.	2003 (14.10.2003), (column 3, line 45 to	. 32		
D Euroba	documents are listed in the continuation of Box C.	Con para	nt family appay			
	pecial categories of cited documents:		nt family annex.	mational filing date or priority		
"A" document	t defining the general state of the art which is not considered to be	date and a		cation but cited to understand the		
	plication or patent published on or after the international filing date	considere		claimed invention cannot be red to involve an inventive step		
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as	"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such		when the document is		
"O" document	t referring to an oral disclosure, use, exhibition or other means		ious to a person skilled in th			
	published prior to the international filing date but later than the late claimed	"&" document	member of the same patent	family		
		Date of mailing of	the international search 12 MAY 2005	ch report		
	5 (13.04.2005) ailing address of the ISA/US	Apthorized officer		•		
	il Stop PCT, Attn: ISA/US	Men				
Con	nmissioner for Patents	William P. Fletch	ELLIL IN			
Ale). Box 1450 xandria, Virginia 22313-1450	Telephone No. (5	71) 272-1760 -			
Facsimile No. (703) 305-3230						

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INTERNATIONAL SEARCH REPORT

International application No. PCT/US04/33089

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N
A A	Citation of document, with indication, where appropriate, of the relevant passages JP 53-045361 A (HITACHI LTD.) 24 April 1978 (24.04.1978), English-language abstract.	Relevant to claim N
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INTERNATIONAL SEARCH REPORT	PCT/US04/33089
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Continuation of B. FIELDS SEARCHED Item 1: 106/1.05, 1.11, 14.05, 14.15, 14.16, 14.21, 14.41, 14.42, 14.44, 286.6; 427, 410, 419.7; 524/439, 590; 525/528; 528/76	7/180, 202, 299, 301, 302, 304, 327, 328, 402, 404, 405,
410, 412, 02	
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